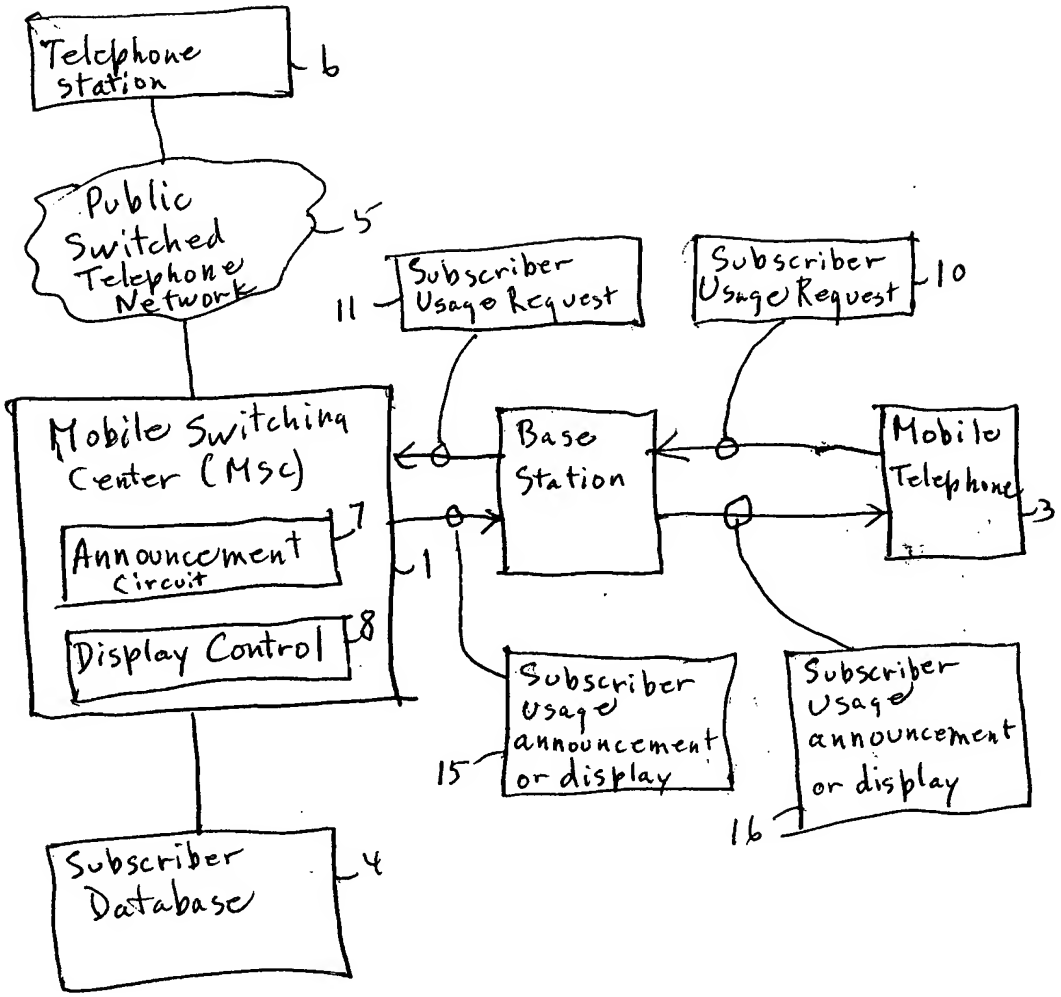

Telephone station
6
Public Switched Telephone Network
5
Subscriber Usage Request
11
Subscriber Usage Request
10
Mobile Switching Center (MSC)
Announcement Circuit
7
Display Control
8
1
Base Station
Mobile Telephone
3
Subscriber Usage announcement or display
15
Subscriber Usage announcement or display
16
Subscriber Database
4

Fig. 1

FIG. 2

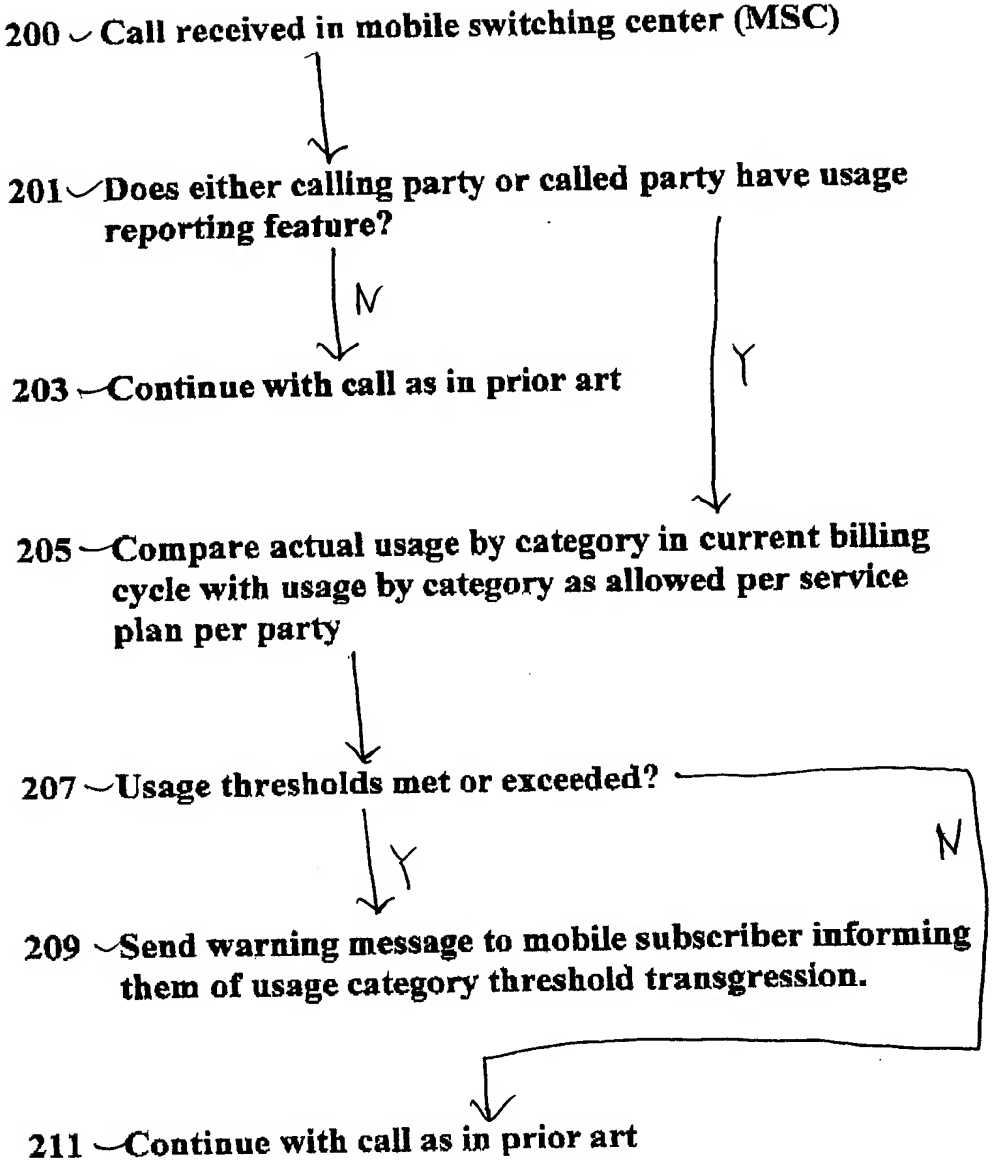

200 Call received in mobile switching center (MSC)
201 Does either calling party or called party have usage reporting feature?
N
Y
203 Continue with call as in prior art
205 Compare actual usage by category in current billing cycle with usage by category as allowed per service plan per party
207 Usage thresholds met or exceeded?
Y
N
209 Send warning message to mobile subscriber informing them of usage category threshold transgression.
211 Continue with call as in prior art

FIG. 3

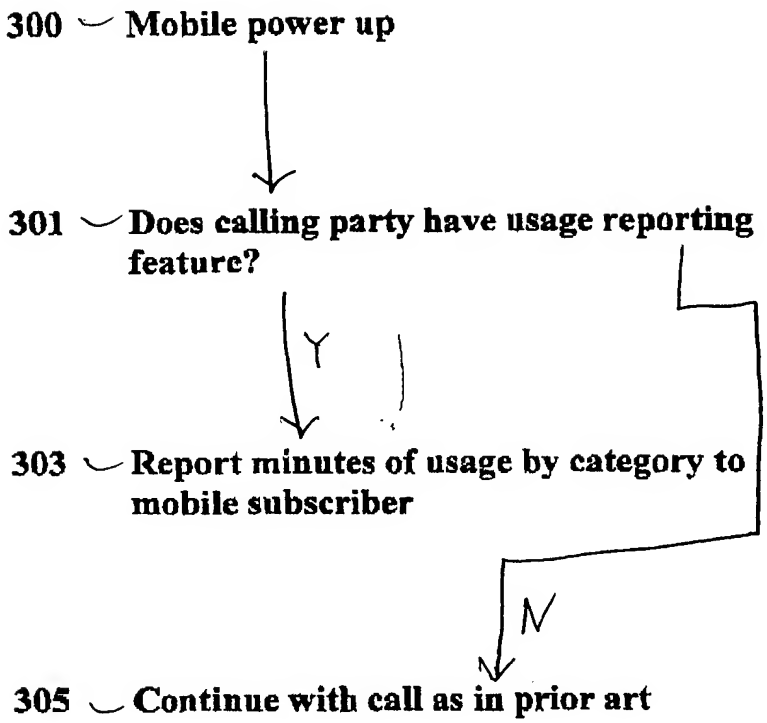
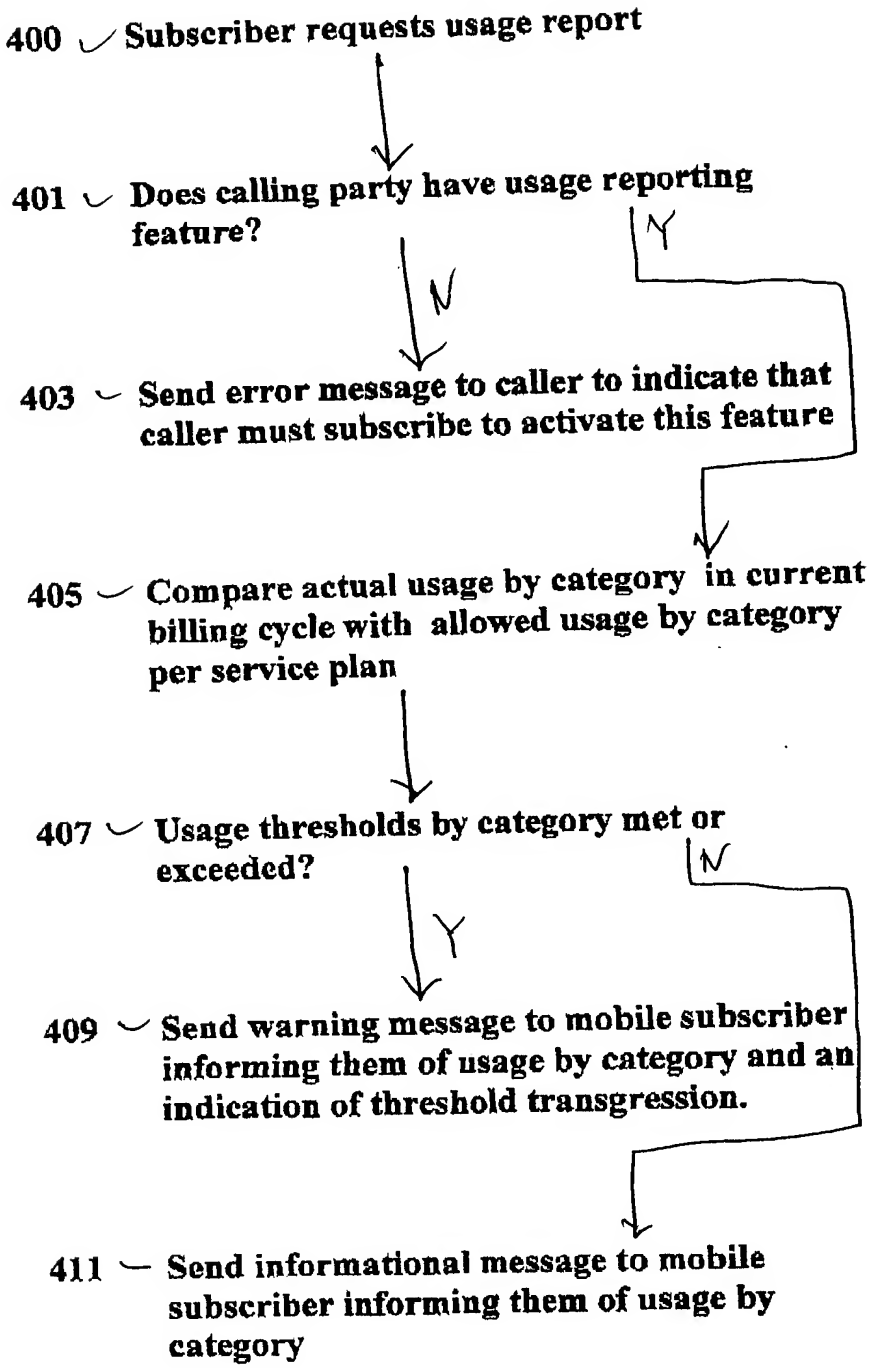
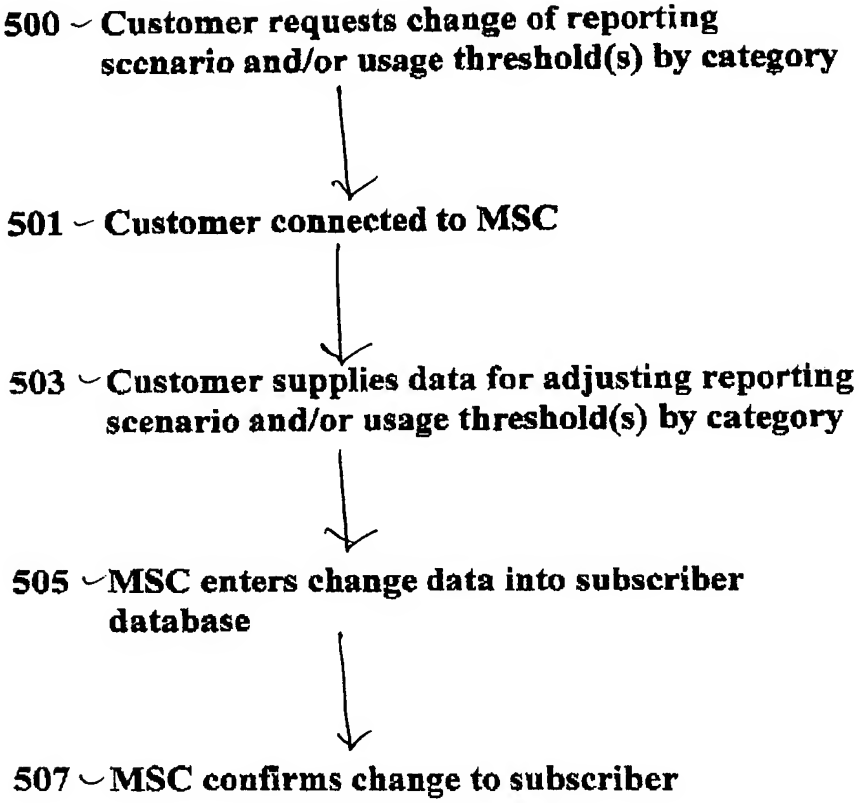

300 Mobile power up
301 Does calling party have usage reporting feature?
Y
303 Report minutes of usage by category to mobile subscriber
N
305 Continue with call as in prior art

FIG. 4


400 Subscriber requests usage report
401 Does calling party have usage reporting feature?
Y
N
403 Send error message to caller to indicate that caller must subscribe to activate this feature
405 Compare actual usage by category in current billing cycle with allowed usage by category per service plan
407 Usage thresholds by category met or exceeded?
N
Y
409 Send warning message to mobile subscriber informing them of usage by category and an indication of threshold transgression.
411 Send informational message to mobile subscriber informing them of usage by category

5/5

FIG. 5


500 Customer requests change of reporting scenario and/or usage threshold(s) by category
501 Customer connected to MSC
503 Customer supplies data for adjusting reporting scenario and/or usage threshold(s) by category
505 MSC enters change data into subscriber database
507 MSC confirms change to subscriber